

ABSTRACT

A desalination system for removing at least a substantial amount of salt from a saltwater. In at least one embodiment, the desalination system may inject the saltwater with one or more ionized gases for removing contaminants from the saltwater. The desalination
5 system may include one or more ionized gas generators for generating one or more ionized gases to be mixed with the saltwater. The desalination system may inject a disinfectant into the saltwater to disinfect the saltwater. The desalination system may generate one or more disinfectants from saltwater using a disinfectant generator. In at least one embodiment, the disinfectant generator may separate disinfectants from saltwater using electrolysis.